

WHAT IS CLAIMED IS:

1. A camera having a blur notifying function comprising:

a blur mode setting section to set a blur  
5 notification mode in which a blur is detected in the camera and a blur state is notified;

a blur detection section which detects a blur state of the camera;

a blur calculation section which calculates a  
10 generated blur state quantity based on an output from the blur detection section;

a blur judgment section which judges a blur state based on the generated blur state quantity; and

a blur notification section which performs a  
15 notification operation concerning occurrence of a blur state based on a judgment result of the blur judgment section,

wherein the blur notification section starts a notification operation when the blur notification mode  
20 is set by the blur mode setting section.

2. The camera having a blur notifying function according to claim 1, further comprising a first release switch used to instruct a shooting preparation operation of the camera, wherein the notification  
25 operation concerning occurrence of the blur state in the blur notification section is stopped when the first release switch is operated.

3. The camera having a blur notifying function according to claim 2, wherein the blur notification section is constituted of an LED provided in the vicinity of a finder of the camera, and a notification  
5 content is caused to differ by changing a conformation of lighting of the LED before and after the operation of the first release switch.

4. The camera having a blur notifying function according to claim 1, wherein the blur notification  
10 section is constituted of an LED provided in the vicinity of a finder of the camera, and a notification content is caused to differ by changing a conformation of lighting of the LED before and after the operation of the first release switch.

15 5. A camera having a blur notifying function comprising:

a blur notification operation start instruction section which instructs to start detection of a blur state and notification of the blur state;

20 a blur notification section which performs operations of detection and notification of the blur state in accordance with an instruction from the blur notification operation start instruction section;

25 a first release switch which instructs to shift to a shooting preparation operation of the camera and also instructs to stop the operations of detection and notification of the blur state;

an operation switch used to cause the camera to perform a predetermined operation;

a camera operation state detection section which detects an operation state of the camera;

5        a timer which is updated every time the camera is operated and clocks a time after the latest camera operation is performed;

10       a time elapse judgment section which judges whether a clocked time of the timer is equal to or beyond a fixed time; and

15       a blur notification control section which controls to stop at least one of detection and notification of the blur state in the blur notification section when the operation of the operation switch is performed and the predetermined camera operation is started, when the predetermined camera operation state is detected by the camera operation state detection section, or when the time elapse judgment section judges that an elapsed time of the timer is equal to or beyond the fixed time  
20       during execution of the blur notification operation in the blur notification operation.

25       6. The camera having a blur notifying function according to claim 5, wherein the operation switch is at least one of a zoom switch, an exposure mode switch, a strobe mode switch, a date mode switch and a film rewind switch, and

the camera operation state detection section

detects at least one of a strobe charging state, a zoom lens driving state, a film auto-load state and a film rewind state in the camera.

5           7. The camera having a blur notifying function according to claim 6, wherein the blur notification operation in the blur notification section is restarted when the operation by the operation switch and the predetermined camera operation detected by the camera operation state detection section are terminated.

10           8. The camera having a blur notifying function according to claim 5, wherein the blur notification operation in the blur notification section is restarted when the operation by the operation switch and the predetermined camera operation detected by the camera operation state detection section are terminated.

15           9. A camera comprising:  
            a blur detection section which detects a blur state generated in the camera;  
            a blur calculation section which calculates a blur  
20           quantity generated in the camera based on an output from the blur detection section;  
            a blur judgment section which judges a blur state by comparing a calculation result of the blur calculation section with a predetermined value;  
25           a strobe mode setting section which sets a strobe light emission mode of the camera;  
            a shutter speed determination section which

determines strobe light emission necessity information and shutter speed based on at least an output from a photometric sensor of the camera;

5 a strobe light emission control section which determines presence/absence of strobe light emission in shooting based on the strobe light emission mode set by the strobe mode setting section and the strobe light emission necessity information determined by the shutter speed determination section; and

10 a second release switch which instructs a shooting start operation of the camera,

wherein the blur detection section starts the blur detection operation after the second release switch is operated, and the shutter speed determination section  
15 changes the determined shutter speed based on a judgment result of the blur judgment section, the strobe light emission mode set by the strobe mode setting section and the strobe light emission necessity presence/absence information.

20 10. The camera according to claim 9, wherein the shutter speed determination section changes the determined shutter speed only when the blur judgment section judges that a predetermined quantity or above of blur is generated and the strobe light emission  
25 control section determines not to perform strobe light emission in shooting.

11. The camera according to claim 10, further

comprising an exposure mode setting section which sets a shooting exposure mode,

wherein, in cases where a predetermined exposure mode is set by the exposure mode setting section, when  
5 the blur judgment section judges that a predetermined quantity or above of blur is generated in a picture, the shutter speed determination section changes the determined shutter speed irrespective of presence/absence of strobe light emission in shooting  
10 by the strobe light emission control section.

12. The camera according to claim 11, wherein the predetermined exposure mode is a night scene mode.

13. A camera having a blur notifying function comprising:

15 a blur detection section which detects a blur state of the camera;

a blur calculation section which calculates a generated blur state quantity based on an output from the blur detection section;

20 a camera operation state judgment section which judges an operation state of the camera;

a blur judgment threshold value setting section which changes a set threshold value in accordance with a judgment result of the camera operation state  
25 judgment section;

a blur judgment section which compares a calculation result of the blur calculation section with

a threshold value set in the blur judgment threshold value setting section and judges a blur state;

a blur notification section which notifies a generated blur state based on a judgment result of the blur judgment section; and

a blur reducing function execution section which executes a blur reducing function in order to reduce a blur in a picture based on the judgment result of the blur judgment section.

10           14. The camera having a blur notifying function according to claim 13, wherein the camera operation state detection section judges whether a current state is before start of exposure after at least a second release switch of the camera is turned on, and

15           when it is determined that the current state is such a state, a threshold value set in the blur judgment threshold value setting section is set to a value lower than a threshold value when the current state is not such a state.

20           15. The camera having a blur notifying function according to claim 13, wherein the blur reducing function execution section reduces photometrically calculated shutter speed set when a first release switch is turned on.

25           16. The camera having a blur notifying function according to claim 13, wherein the threshold value is caused to differ in accordance with a focal distance.